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AMENDMENTS TO THE CLAIMS

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Claims pending

- At time of the Action: Claims 22-25 and 27-31.
- After this Response: Claims 22-25 and 27-31.

Canceled or Withdrawn claims: 1-21 and 26.

Amended claims: None.

New claims: None.

1-21. (Canceled).

22. (Previously Presented) A system for securing data communication between an internet computer network and an external computer network, comprising:
a client located in the internal computer network;
a server located in the external computer network and in communication with the client; and
an application-level gateway proxy device comprising:
components for (1) performing, at a packet level, a network address translation upon a stream of packets originating from the client and (2) filtering, at a stream level, the stream of packets and transmitting the packets to the server, wherein the filtering is transparent to the client; and

a communications socket internal to the application-level gateway proxy device and communicatively connected to the components for (1) performing the network address translation and (2) filtering.

23. (Previously Presented) The system of claim 22, wherein the components of the proxy device comprise:

a first component for filtering said stream of packets, and also for filtering, at a stream level and transparent to the client, a second stream of packets originating from the server; and

a second component for performing said network address translation, and also for performing, at a packet level, a reverse network address translation with respect to the packets in the second stream and transmitting the packets in the second stream to the client.

24. (Previously Presented) An application-level gateway proxy device, comprising:

a component for performing, at a packet level, a network address translation with respect to a stream of packets originating from a client in an internal network, wherein the client is communicating the stream of packets to a server located in an external network;

a component for filtering, at a stream level, the stream of packets, wherein the filtering is transparent to the client;

a communication socket internal to the application-level gateway proxy device and communicatively connected to:

the component for performing the network address translation; and

the component for filtering; and

a component for transmitting the packets to the server after the packets are filtered.

25. (Previously Presented) The proxy device of claim 24, further comprising:

a component for filtering, at a stream level and transparently to the client, a second stream of packets originating from the server;

a component for performing, at a packet level, a reverse network address translation upon the packet in the second stream; and

a component for transmitting the packet in the second stream to the client.

26. (Canceled).

27. (Previously Presented) The method of claim 24, wherein filtering the stream of packets comprises transforming the stream.

28. (Previously Presented) The method of claim 24, wherein filtering the stream of packets comprises compressing the stream.

29. (Previously Presented) The method of claim 24, wherein filtering comprises content monitoring, content restriction, stream transformation, traffic redirection and combinations thereof.

30. (Previously Presented) A computer-implemented method for communication between a first network and a second network comprising:

intercepting, at a first external socket of a proxy network address translation device, a stream of packets;

performing, at a first internal component of the proxy network address translation device, a network address translation upon the stream of packets, the network address translation occurring at a packet level;

transmitting, from the first internal component of the proxy network address translation device, the translated stream of packets;

filtering, at the second internal component of the proxy network address translation device, the translated stream of packets, the filtering occurring at a stream level; and

transmitting, from the second external socket of the proxy network address translation device, the translated and filtered stream of packets.

31. (Previously Presented) The method of claim 30, wherein transmitting from the first internal component of the proxy network address translation device to the second internal component of the proxy network address translation device comprises transmitting the translated stream of packets through an internal socket of the proxy network address translation service.